

Iowa Department of Natural Resources Flood Plain Management Program

Project Information Checklist Agricultural Levees or Dikes

In order for an application for a new agricultural levee or dike to be considered complete and to allow the Department to undertake a review of the project, all of the items listed below must be submitted. An application is not placed in the review queue until all of the required items are received. Note that the Department may still need to request additional information.

Note: in the case of repair or minor modification to an existing levee, you may not be required to submit all of the information included on this checklist. Please check with Iowa DNR flood plain staff to determine the nature and extent of information that will need to be submitted for our consideration of a levee repair or modification project.

- _____ Completed and signed DNR Form 36, *Joint Application Form – Protecting Iowa Waters*. The application can be found online at the following link.
<http://www.iowadnr.com/water/floodplain/index.html>
- _____ Engineering plans for the project. Please note that the plans must be prepared and certified by a professional engineer or land surveyor licensed in the State of Iowa. The plans should include, but may not be limited to, the following information.
 - _____ A to-scale site plan showing the proposed levee alignment, property lines and ownership, the borrow site, any existing levees in the general vicinity, roads, buildings, affected drainage facilities and any other pertinent physical features.
 - _____ A to-scale plan view of the levee and area to be protected showing proposed offset from the stream, upstream and downstream termination points and other pertinent details.
 - _____ Typical cross section(s) of the levee showing pertinent elevations and dimensions.
 - _____ At least one stream valley cross-section taken perpendicular to the direction of flow through the project area representing typical conditions. Additional cross sections may be required depending on the length of the reach to be protected and whether there are natural or artificial control sections on the flood plain.
 - _____ Profile of the levee showing the proposed top and adjacent natural ground elevations.
 - _____ A site specific stream slope based on a minimum of two survey shots taken on the water surface at least 500-feet apart.
 - _____ Provisions for internal drainage.
 - _____ Hydrologic and hydraulic design information including the date and elevation of any previously recorded high water.
 - _____ Benchmark descriptions. The survey should be based on National Geodetic Vertical Datum.
- _____ Names and mailing addresses of the immediate upstream, downstream and adjacent property owners and tenants, if applicable.